WHAT IS CLAIMED IS:

- 1. A method for reducing the immunosuppressive effects of IL-12 treatment comprising: co-administering with said IL-12, an effective amount of a nitric oxide inhibiting and/or neutralizing agent.
- 2. The method according to claim 1 wherein said co-administration comprises simultaneously administering said agent with said IL-12.
- 3. The method according to claim 1 wherein said co-administration comprises sequentially administering said agent, and said IL-12.
- 4. The method according to claim 3 wherein said co-administration comprises administering said IL-12 before said agent.
- 5. The method according to claim 1 wherein said agent is an inhibitor of nitric oxide generation is an inhibitor of nitric oxide synthase.
- 6. The method according to claim 5 wherein said agent is specific for inducible nitric oxide synthase.
- 7. The method according to claim 5 wherein said inhibitor is selected from the group consisting of L-N^G monomethyl arginine (L-NMMA), L-N^G nitroarginine (L-NORAG), L-N^G nitroarginine methylester (L-NAME), L-N^G nitroarginine p-nitroanilide (L-NAPNA), L-N^G aminoarginine (L-NAA), L-N^G cyclopropylarginine, L-N^G allylarginine, asymmetric L-N^GN^G dimethylarginine (L-ADMA), L-N[©] iminoethyl ornithine (L-NIO), 7-nitro indazole (7-NI), 2,7 dinitro indazole, 3-bromo 7-nitro indazole, aminoguanidine, N,N'-diaminoguanidine, dimethylguanidine, diphenyleneiodonium, iodoniumdiphenyl, di-2-thienyliodonium, chlorpromazine, trifluoperazine, pimozide, clozapine, calmidazolium, 2,4 diamino-6-

hydroxypyrimidine, methotrexate, N-acetyl-5-hydroxytryptamine, miconazole, ketoconazole, clotrimazole, imidazole, 1-, 2- and 4-phenylimidazole, methylene blue, NO, carbon monoxide, ebselen, phencyclidine, and antineoplastic agents (doxorubicin, aclarubicin).

- 8. The method according to claim 7 wherein said agent is L-NAME.
- 9. The method according to claim 7 wherein said agent is L-NMMA.
- 10. The method according to claim 1 wherein said agent is a nitric oxide scavenger.
- 11. The method according to claim 10 wherein said scavenger is selected from the group consisting of N-acetyl cysteine, pyrrolidine dithiocarbamate, and hemoglobin.
- 12. A method for reducing the toxicity of IL-12 treatment comprising: co-administering with an effective dose of said IL-12, an effective amount of a nitric oxide inhibiting and reducing agent.
- 13. The method according to claim 12 wherein said co-administration comprises simultaneously administering said agent with said IL-12.
- 14. The method according to claim 12 wherein said co-administration comprises sequentially administering said agent, and said IL-12.
- 15. The method according to claim 12 wherein said co-administration comprises administering said IL-12 before said agent.

- 16. The method according to claim 12 wherein said effective amount of IL-12 is a low dose thereof.
- 17. The method according to claim 12 wherein said agent is an inhibitor of nitric oxide synthase.
- 18. The method according to claim 17 wherein said agent is specific for inducible nitric oxide synthase.
- 19. The method according to claim 17 wherein said inhibitor is selected from the group consisting of L-N^G monomethyl arginine (L-NMMA), L-N^G nitroarginine (L-NORAG), L-N^G nitroarginine methylester (L-NAME), L-N^G nitroarginine p-nitroanilide (L-NAPNA), L-N^G aminoarginine (L-NAA), L-N^G cyclopropylarginine, L-N^G allylarginine, asymmetric L-N^GN^G dimethylarginine (L-ADMA), L-N^G iminoethyl ornithine (L-NIO), 7-nitro indazole (7-NI), 2,7 dinitro indazole, 3-bromo 7-nitro indazole, aminoguanidine, N,N'-diaminoguanidine, dimethylguanidine, diphenyleneiodonium, iodoniumdiphenyl, di-2-thienyliodonium, chlorpromazine, trifluoperazine, pimozide, clozapine, calmidazolium, 2,4 diamino-6-hydroxypyrimidine, methotrexate, N-acetyl-5-hydroxytryptamine, miconazole, ketoconazole, clotrimazole, imidazole, 1-, 2- and 4-phenylimidazole, methylene blue, NO, carbon monoxide, ebselen, phencyclidine, and antineoplastic agents (doxorubicin, aclarubicin).
- 20. The method according to claim 19 wherein said agent is L-NAME.
- 21. The method according to claim 19 wherein said agent is L-NMMA.

- 22. The method according to claim 12 wherein said agent is a nitric oxide scavenger.
- 23. The method according to claim 22 wherein said scavenger is selected from the group consisting of N-acetyl cysteine, pyrrolidine dithiocarbamate, and hemoglobin.
- 24. A therapeutic composition comprising IL-12, characterized by reduced toxicity in mammals, said composition comprising an effective dose of said IL-12 and an effective amount of a nitric acid inhibiting and/or neutralizing agent in a pharmaceutically acceptable carrier.